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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/745,645	12/22/2000	Wolfgang Milewski	DT-3815	1540

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DAVID TOREN, ESQ.
SIDLEY, AUSTIN, BROWN & WOOD, LLP
787 SEVENTH AVENUE
NEW YORK, NY 10019-6018

EXAMINER

NORDMEYER, PATRICIA L

ART UNIT PAPER NUMBER

1772

DATE MAILED: 04/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

11

Office Action Summary	Application No. 09/745,645	Applicant(s) MILEWSKI ET AL.	
	Examiner Patricia L. Nordmeyer	Art Unit 1772	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 March 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 27-34 and 36-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 27-34 and 36-40 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Repeated Rejection

1. The U.S.C. 103 rejection of claims 27 – 29, 31 – 34, 36, 39 and 40 over Stockl (USPN 3,699,926) in view of Dungal (USPN 4,329,981) is repeated for the reasons previously of record.

Stockl discloses projections on two sides where the projections are cylindrical, polygonal, oblong or hemispherically shaped (Column 2, lines 57 – 61 and Column 4, claim 2) with heights less than $\frac{1}{3}$ of their diameter (Figure 2, #3) and offset from each other and do not overlap (Figure 2 and 3, #2 and 3) with grid sizes that correspond with one another (Figure 3, #2 and 3) in a rubber floor mat, resilient material, (Column 2, lines 61 – 63). The second projections on the underside of the floor covering are equivalent to the distance between the projections (Figure 1, #2). The third projection is load dependent, wherein it is formed by the applied pressure and has increasing rigidity that allows for a greater cushioning affect for the mat, and has a different size and smaller height than the height of the second projections in an unstressed state, is be formed on a grid that is off set from the grids of the first and second projections (the projection is formed in between the second projections) and the projection's dimensions are less than $\frac{3}{4}$ of the distance between the projections and the height is between $\frac{1}{5}$ and $\frac{1}{2}$ of the diameter (Figure 2). However, Stockl fails to disclose the first projections being formed by superimposition of a larger spherical segment and a small spherical segment mounted on the larger segment.

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Dungl teaches projections of a spherical shape with smaller spherical segments attached to it (Figure 3) on the top surface of a foot massage mat formed from rubber (Column 1, lines 5 – 7) for the purpose of massaging the foot of the user as they walk over the projections on the surface.

It would have been obvious to one of ordinary skill in the art at the time the applicant's invention was made to have provided the spherical segments with the smaller spherical segments attached to it in Stockl in order to massage the foot of the user as they walk over the projections on the surface as taught by Dungl.

Stockl discloses the claimed invention except that the third projection on the underside surface is formed when pressure is applied to the top surface of mat (Figure 2) instead of having the third projection already formed. The presence of the second projection on the underside surface (Figure 2, #2) shows that the formed third projection is an equivalent structure known in the art. Therefore, because these two were art recognized at the time the invention was made, one of ordinary skill in the art would have found it obvious to substitute the already formed projection for the projection formed when pressure is applied to the mat for the purpose of forming a mat that is soft and flexible, supports heavy loads, removes liquids from underneath the surface and gives traction to animals and attendants while walking on it.

Regarding claims 28 and 29, it is well settled that a particular shape of a prior invention carries no patentable weight unless the applicant can demonstrate that the new shape provides

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significant unforeseen improvements to the invention. See *In re Seid*, 161 F.2d 229, 73 USPQ 431 (CCPA 1947) Also, see *In re Dailey*, 357 F.2d 669, 149 USPQ 47 (CCPA 1966) In the instant case, the application does not indicate any new, significant attributes of the invention due to its shape which would have been unforeseen to one of ordinary skill in the art. Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to change the shape of the protrusions on the surfaces of the flooring cover. One skilled in the art would have been motivated to do so in order to change the outward appearance of the flooring covering.

2. The U.S.C. 103 rejection of claim 30 over Stockl (USPN 3,699,926) in view of Dungal (USPN 4,329,981) and of Myrvold (USPN 5,619,382) is repeated for the reasons previously of record.

Stockl, as modified with Dungal, discloses the claimed rubber floor mat with projections above except for the second projections having the form of a square prism or frustum with rounded edges and transitional areas to the cover plane and the third projections having the form of a spherical segment.

Myrvold teaches protrusions on the bottom surface where the edges are rounded and a transitional period exists between the projection and the bottom surface (Figure 9, #202A, Figure 11, #202A and Column 6, lines 50 – 57) in a mat for covering the floor for the purpose of protection against dampness from a concrete floor.

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It would have been obvious to one of ordinary skill in the art at the time the applicant's invention was made to have provided the protrusions with rounded edges and transitional period in modified Stockl in order to protect against dampness from a concrete floor as taught by Myrvold.

3. The U.S.C. 103 rejection of claims 37 and 38 over Stockl (USPN 3,699,926) in view of Dungal (USPN 4,329,981) and of Dickens et al. (USPN 4,478,901) is repeated for the reasons previously of record.

Stockl, as modified with Dungal, discloses the claimed rubber floor mat with projections above except for at least one perforation provided between the first and second projections and recesses formed in the underside and the perforations and the recesses having a circular cross-section and cross-section of a segment.

Dickens et al. teaches perforations with a circular cross-section (Figures 1 and 2, #14), forming recesses in the underside of the mat (Figure 5) in a mat with projections (Figure 2, #16) for the purpose of constructing a lightweight, durable mat with antiskid properties that allows the drainage of liquids away from the surface of the mat.

It would have been obvious to one of ordinary skill in the art at the time the applicant's invention was made to have provided the perforations in the surface in modified Stockl in order to construct a light weight, durable mat with antiskid properties which allows the drainage of liquids away from the surface of the mat.

Response to Arguments

4. Applicant's arguments filed March 1, 2004 have been fully considered but they are not persuasive.

In response to Applicant's argument that Stockl does not disclose a floor covering with three sets of different projections in an unstressed state with the third projection being readily apparent, Stockl does disclose three sets of projections in an unstressed state. Even though the presence of the third projection on the bottom surface is not apparent until stress is applied to the mat, it is still present at all times, even in an unstressed state. It is the Examiner's understanding that the "third projection having a load-dependent increasing characteristic line of rigidity" means that as pressure, or weight, is applied to the mat, the third projection becomes more rigid. This is evident in Stockl by the fact the third projection becomes evident on the bottom surface of the mat when pressure is applied and its increase in size while still being smaller than the projections around it.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period

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will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia L. Nordmeyer whose telephone number is (571) 272-1496. The examiner can normally be reached on Mon.-Thurs. from 7:00-4:30 & alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Y. Pyon can be reached on (571) 272-1498. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patricia L. Nordmeyer
Examiner
Art Unit 1772

pln
pln

Harold Pyon
HAROLD PYON
SUPERVISORY PATENT EXAMINER
1772

4/22/04